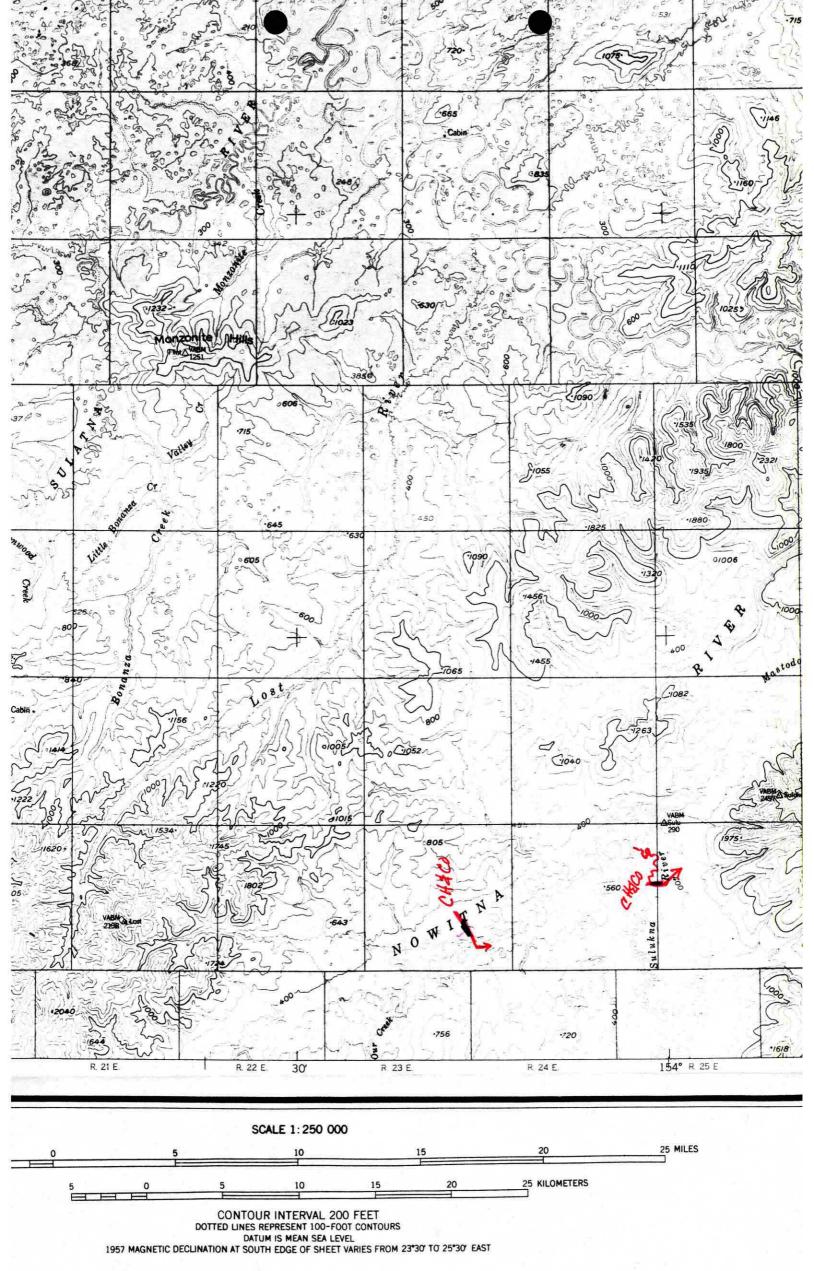
State of Alaska Department of Fish and Game Nomination for Waters Important to Anadromous Fish 1986 Tear of Revision

86-460

Catalog  Both		
Address:  Actalog  Atlas  Catalog  Both  Como SALMAN & EXTEND CANAM  ALASKA DEPT. OF FISH & GAME  BOTH  BOTH  COMO SALMAN & MATTERSH  ALASKA DEPT. OF FISH & GAME  OCT 2 1985  REGION II  HABITAT DIVISION  Species  Date(s) Observed  Spawning  COMM SALMAN  Species  Date(s) Observed  Spawning  REGION II  HABITAT DIVISION  Species  Date(s) Observed  Spawning  REGION II  HABITAT DIVISION  Species  Date(s) Observed  Spawning  REGION II  HABITAT DIVISION  Spawning  COMMENTS  Spawning  Spaw		
ange to		
Catalog  Both  Corro SALMON & EXTEND CHUM  Reg  Seletion  Corro SALMON & EXTEND CHUM  ALASKA DEPT. OF FISH & GAME  OCT 2 1985  USGS name  Local name  Local name  Date(s) Observed  Spawning  CHUM FRUMN  Sept. 1973 1/975  CHUM FRUMN  Sept. 1972,/9735/975  CHUM FRUMN  SALMON  SEPT. NETTING FOR SHEERIH & WHITEHISH  AND 512 MESH NES AT NAME TIMES  SIST NETTING FOR SHEERIH SWHITEHISH  AND 512 MESH NES AT NAME TIMES  SIST NETTING FOR SHEERIH SWHITEHISH  SIST NETTING FOR SHEERIH SWHITEHISH  AND 512 MESH NES AT NAME TIMES  SIST NETTING FOR SHEERIH SWHITEHISH  SIST NES SHEERIH SWHITEHISH  AND 512 MESH NES AT NAME TIMES  SIST NESS SIGNATURE  CHURCH A COPY of a map showing location of mouth and upper points of eaches identified for spawning or rearing, locations of barriers, such he fish survey data, if available.  Address:  Address:  Address:  Address:  Address:  Address:  Address:  Address:  AC College  Faulands  Address:  Address:  Address:  Address:  Address:  Address:  Address:  AC College  Faulands  Address:  Address:  Address:  AC College  Faulands  Address:  Address:  AD College  AD College  Faulands  Address:  AD College  AD Colleg		
Catalog  Both  Cotto Strumen & Extend Chium  Alaska Dept. Of Fish & Game  we addition:  USGS name  Local name  Local name  Date(s) Observed  Species  Date(s) Observed  Spawning  Coho Famon  Species  Date(s) Observed  Spawning  Famon  Spawning  Spawning  Species  Spawning  Spawning	For Office	. Use
Solution  Como Solution  Como Solution  Como Solution  Shelfish & Mathematical Alaska Dept. Of Fish & Game  Prection  Sime addition:  USCS name  Local name  Local name  Date(s) Observed  Spawning  Character  Species  Date(s) Observed  Spawning  Character  Species  Date(s) Observed  Spawning  Character  Spawning  Spawning  Character  Spawning  Spawnin	nation #	
diction Como Samme & Extend Calum Samme Species Date(s) Observed Spamming Comments: Provide any clarifying information, including number of fish urvey data, etc.  Set Netting for Sheered Samme	10 10 200	
SHEERSH & MATTERSH  ALASKA DEPT. OF FISH & GAME  OCT 2 1985  USGS name  Local name  Local name  Date(s) Observed  Spanning  Cohb Armon  Species  Date(s) Observed  Spanning  Chum Shemen  Supt. 19734/975  Chum Shemen  Chum Shemen  Chum Shemen  Supt. 1972/9738/975  Chum Shemen  Chum Shemen  Supt. 1972/9738/975  Shemen	A AGAM	9-31-55 Date
prrection		
Species Date(s) Observed Spawning  Species Date(s) Observed Spawning  Character Spawning  Species Date(s) Observed Spawning  Character Spawning  C		
USCS name  Local name  Date(s) Observed  Spawning  Species  Date(s) Observed  Spawning  Species  Date(s) Observed  Spawning  Spawning  Chum Shuman  Spf. 1973/1975  Chum Shuman  Spf. 1972/19738/1975  Chum Shuman  Spf. 1972/19738/1975  Chum Shuman  Spf. 1972/19738/1975  Shuman  Mark Netting for Shuman  AND 51/2 "MESH Nett AT Marieuxs Times  1/84 Took James Normbeles of Adult Shuman  Mark Normbeles of Adult Shuman  Stack a copy of a map showing location of mouth and upper points of eleaches identified for spawning or rearing, locations of barriers, such the fish survey data, if available.  Identification  Address:  Address:  Address:  1300 College  Faulands  Address:		
USGS name REGION II HABITAT DIVISION  Species Date(s) Observed Spawning  Cohb Armon Sept. 197341975  CHAIM Shumen Sept. 1972497381975  CHAIM Shumen Sept. 1972/197381975  AND 5112 "MESH NET SHEEFIH A WANTERISH AND 5112" MESH NET NAMEBURS OF ADOLET SHEEFIELD SHEETING OF MOUNTAIN DUMM FROM ME TO OTH FOR FURTHERE  Sept. 1884 POOK SAMME NAMEBURS OF ADOLET SHEETING OF MOUNTAIN DUMM FROM ME TO OTH FOR FURTHERE  Sept. 1300 College I  Address: 1300 College I  Address: 1300 College I  Address: 1300 College I	Drafted	Date
Species  Date(s) Observed  Spawning  Coff Armon  Sept. 1973 1978  Comments: Provide any clarifying information, including number of fish urvey data, etc.  The Netting for Sheefulf Awhitensh And 51/2, "MESH NEB AT VARIOUS TIMES A'84 TOOK SMALL NUMBERS OF ADULT SHEETING AND DUM FROM MILE TO OTT FOR FURTHERS WEACHES identified for spawning or rearing, locations of barriers, such the fish survey data, if available.  Species  HABITAT DIVISION  Spawning  Spawning  Note: 1973 1978  Sheefulf Awhitensh  Awhitensh  Address:  HABITAT DIVISION  Spawning  Spawning  Note: 1973 1978  Sheefulf Awhitensh  The Market Awhitensh  Spawning  Note: 1972, 1973 1978  Sheefulf Awhitensh  Sheefulf Awhitensh  Market Awhitensh  Sheefulf Awhitensh  Market Awhitensh  Sheefulf Awhitensh  Market Awhitensh  Sheefulf Awhitensh  Market Awhitensh		
CHUM SALMON Sept. 197341975  CHUM SALMON Sept. 1972/19735/1975  CHUM SALMON Sept. 1972/19735/1975  CHUM SALMON Sept. 1972/19735/1975  CHUM SALMON SEPT. 1972 FOR SHEEPSH SWANTERSH  AND 51/2." MESH NEB AT VARIOUS TIMES  1'84 TOOK SALMON NUMBERS OF ADOLLT SALMONOMAN DUM FROM MC to OTT FOR FURTHERS  CITATOR SOLUTION OF THE FURTHERS  CITATOR SOLUTION OF THE SUBSTITUTE OF EACH SALMONOMAN DUM FROM MC to OTT FOR FURTHERS  CITATOR SOLUTION OF THE SUBSTITUTE OF EACH SALMONOMAN STATEMENT OF EACH SALMON S		
CHUM SALMON Sept. 197341975  CHUM SALMON Sept. 1972/19735/1975  CHUM SALMON Sept. 1972/19735/1975  CHUM SALMON Sept. 1972/19735/1975  CHUM SALMON SEPT. 1972 FOR SHEEPSH SWANTERSH  AND 51/2." MESH NEB AT VARIOUS TIMES  1'84 TOOK SALMON NUMBERS OF ADOLLT SALMONOMAN DUM FROM MC to OTT FOR FURTHERS  CITATOR SOLUTION OF THE FURTHERS  CITATOR SOLUTION OF THE SUBSTITUTE OF EACH SALMONOMAN DUM FROM MC to OTT FOR FURTHERS  CITATOR SOLUTION OF THE SUBSTITUTE OF EACH SALMONOMAN STATEMENT OF EACH SALMON S	Rearing	Migration
comments: Provide any clarifying information, including number of fish urvey data, etc.  That NETING FOR SHEEFUH AWHITEASH AND 512. MESH NET AT NAMEDLES TIMES A'84 TOOK SAMEL NUMBERS OF ADOLLT SHEEFUH AWHITEASH WANDERS OF ADOLLT SHEEFUH ACT SHEEFUH AND DELLE FROM MC to OTT FOR FURTHERS WHEN SHEEFUH AND DELLE FOR MICH TO OTT FOR FURTHERS WHEN SHEEFUH AND SHEEFUH AND SHEEFUH AND STORY OF EACH SHEEFUH AND SHEEFUH	7.1	~
comments: Provide any clarifying information, including number of fish urvey data, etc.  TEST NETING FOR SHEEFIH I WHITEFISH  AND 51/2." MESH NEB AT VARIOUS TIMES  I'84 TOOK SHALL NUMBERS OF ADOLT SHE  MEMORIAN DUM FROM MC to OTT FOR FURTHERS  Attach a copy of a map showing location of mouth and upper points of eaches identified for spawning or rearing, locations of barriers, such that survey data, if available.  Iame of Observer (please print)  Address:  Address:  Address:  1300 College 1  Faulbank Ah		V
The Netting feel SHEFTSH AWHITEASH  AND 51/2" MESH NET AT VARIOUS TIMES  4'84 TOOK SMALL NUMBERS OF ADULT SAME  MEMORIAN DUM FROM MC to OTT FOR FURTHER  Attach a copy of a map showing location of mouth and upper points of eleaches identified for spawning or rearing, locations of barriers, such the fish survey data, if available.  Indee: 9-30-85 Signature:  Address:  Address:  Address:  1300 College  Faurbanks Ah		
The Netting Fol SHEFTIH AWHITEASH  AND 512" MESH NET AT VARIOUS TIMES  4'84 TOOK SMALL NUMBERS OF ADULT SAN  MEMORIAN DUM FROM ML to OTT FOR FURTHER  Attach a copy of a map showing location of mouth and upper points of exaches identified for spawning or rearing, locations of barriers, such the fish survey data, if available.  Jen net have the same of Observer (please print)  Date: 9-30-85 Signature:  Address:  Address:  Address:  Address:  Address:  Address:  Address:  AT NAMINGAL SHEEFISH AWHITEASH  APPLIANCE OF ADULT SAN  APPL		
Name of Observer (please print)  Address:  Add	each species, spe	972,73 7 9-20-84 (ATTACHED)
Address: Sameth T.a.  Address: 1300 College /  Facebank ah	11+	
Address: 1300 College /  Fairbank ah	HL1	1/1
Fairbanks ah	U.	
Signature of Area Biologist: Faubank ah	RA	
Signature of Area Biologist:	99700	
	all	



THIS MAP IS AVAILABLE IN BOTH SHADED RELIEF AND CONTOUR EDITIONS
FOR SALE BY U.S. GEOLOGICAL SURVEY
FAIRBANKS, ALASKA, 99701, DENVER, COLORADO 80225, OR WASHINGTON, D.C. 20242

## MEMORANDUM

## State of Alaska

TO

Al Ott, Reg. Supvr. Habitat Division

Dept. of Fish and Game, Fairbanks

DATE September 20, 1984

FILE NO 508

TELEPHONE NO.

456-8819

FROM

Ken Alt, Fishery Biologist
Sport Fish Division
Dept of Fish and Game Fairba

SUBJECT

Fish/Mining-Nowitna

River System

Dept. of Fish and Game, Fairbanks

While conducting sheefish spawning ground research in the upper Nowitne River from September 7 thru September 14, 1984, I made the following observations regarding anadromous fish/mining.

Sulatna River: This tributary of the Nowitna enters approximately 70 miles from the mouth. It is a slow moving, meandering stream about 100' wide in the lower reaches. Water is normally dark stained. Most of the mining operations in the Long Creek-Ruby-Poorman area dump into the Sulatna. This September the Sulatna was very dirty from mining effluent and in fact made the lower Nowitna considerably more turbid than I have observed in the last 18 years at this water level. Two gill nets set overnite in the lower five miles of the Sulatna took 7 prespawning broad whitefish, 2 prespawning humpback whitefish and 17 northern pike. I consider the whitefish here to be non-anadromous. Unless a few summer chum salmon ascend the Sulatna, it is probably not used by anadromous fish.

Sulukna River: This is a Clearwater tributary entering the Nowitna River about 160 miles upstream. It is considerably clearer than the upper Nowitna and a partial gravel bottom appears close to the mouth. The stream meanders considerably, is 80 to 100' wide with water depths ranging from 6" to 8'. This stream serves as the only spawning ground for the local (non-anadromous) population of sheefish in the Nowitna River. Probable spawning grounds were located in the area 30-38 miles up the Sulukna River. Additionally, humpback whitefish, round whitefish and least cisco spawn in the system. Although two broad whitefish were diptured, they were non-spawners and I believe that all broad whitefish the upper Nowitna spawn in the main river or the Susulatna Fork. During 5 net nites of fishing in the Sulukna River, 25 sheefish, 2 broad whitefish, 16 humpback whitefish, 1 round whitefish, 1 least cisco and 12 northern pike were taken. I expected coho salmon, but none were

SEP 27 1984

a Dept. of Fish & Gaptured.

tabitat - Region III

X

Mainstem Nowitna River: I observed salmon caracuses in the main Nowitna River across from Big Mud River. There were fewer this year than I observed in 1973. I netted for one nite below Sulukna River and above the Titna River canyon. Only pike, sheefish and whitefish were taken. However, salmon do spawn in the upper Nowitna River above the mouth of the Sulukna as I captured small numbers of fall spawning chums as well as coho salmon during previous sheefish research in 1973 and 1975 during the period August 31 thru September 10.

55 (5 me cateral = 1) Come miles wastream of Sulwark mouth

Summary: Probably only the mainstem Nowitna River, upstream at least as far as 20 miles above the mouth of the Sulukna River, is used by anadromous salmon. All sheefish and whitefish in the system could be considered local. The Titna River was not muddy. Even though the Sulatna was muddying the lower Nowitna, sport fishermen were not thwarted in their efforts to angle for northern pike and sheefish.

No further work other than monitoring sport fisheries in the lower river is planned for this system.

CC John Clark
Ron Regnart
Louie Barton
Scott Grundy